

3-D Printer Specifications, 3DSystems ProJet 660pro, or Equal:

Salient Characteristics

- Product Size, Build Volume, Build Speed (Minimum Acceptable):
 - 10 inches by 15 inches by 8 inches or at least 1,200 cubic inches
 - 1 inch per hour (powder bed) or equal for other technologies
- Resolution:
 - Color print resolution, 500 x500 dots per inch or better
 - Item feature resolution, 1/250 inch x1/250 inch
- Product Color:
 - Full color, equal to a 4 color ink jet printer (full Cyan, Magenta, Yellow, Black)
 - Colors produced without operator changing media, ink, products or materials
- Environment:
 - Office Environment, 120 v or 240 v power (15 amp), office air conditioning
- Model Material, Options:
 - Base product with option to post-process the model if additional durability is required. This process is not expected to be automated.
- Operations Features:
 - Includes cleaning station, integrated to reduce debris
 - Automated Material Recycling, if material can be recycled
 - Automatic cleaning of build platform area
 - All materials internal
 - Remote notification of issues or completion
 - USB or Ethernet Interface
 - Includes all required software for operation
 - Required data formats:
 - STL – Stereo Lithography
 - 3DS – 3 D Studio
 - VRML – Virtual Reality Modeling Language
 - PLY – Polygon File Format
 - FBX – Film Box
 - ZPR – Z Corp File Format
- Shipping:
 - To Kennedy Space Center (FOB Destination)
- Recommended Start-Up Supplies
 - To include materials and hardeners for initial operation.
 - Initial, on site, User Orientation and Training
 - 1 year maintenance contract, with priced options for years 2 through 5
- Certifications:
 - Safety Testing performed by an OSHA (Occupational Safety and Health Administration) lab. <https://www.osha.gov/dts/otpc/nrtl/index.html>